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SHARDLOW
RURAL DISTRICT COUNCIL

Annual Report

of the

Medical Officer of Health

and

Public Health Inspector

1955



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Annual Report
of the
Medical Officer of Health
and
Public Health Inspector

SHARDLOW RURAL DISTRICT COUNCIL.
ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH
FOR THE YEAR, 1955.

Chairman of the Council—COUNCILLOR R. COOK.
 (to May, 1955).

—COUNCILLOR F. R. HUBBARD, J.P.
 (from May, 1955)

Vice-Chairman of the Council—COUNCILLOR W. E. HART.
 (to May, 1955).

—COUNCILLOR L. WALKER
 (from May, 1955)

PUBLIC WORKS COMMITTEE

Chairman—COUNCILLOR R. C. TREADGOLD, M.B.E.
 (January 1955 and from June, 1955).

COUNCILLOR A. A. MATTHEWS
 (February—May, 1955).

Vice-Chairman—COUNCILLOR N. J. W. BRITTAIN.
 (to May, 1955).

COUNCILLOR F. M. GIBSON
 (from June, 1955).

Councillor C. H. Ayre

Councillor F. Horton
 (from June, 1955).

Councillor A. Barker
 (to May, 1955).

Coun. F. R. Hubbard, J.P.

Councillor J. H. Hurst.

Councillor W. Beswick

Councillor Sir L. W. H. Kerr

Councillor N. J. W. Brittain

Councillor H. Key.

Councillor B. G. Butler

(to May, 1955).

Councillor W. C. Coy
 (to May, 1955).

Councillor F. G. Knowles

Councillor A. A. Matthews

Councillor Mrs. S. Dally.
 (to May, 1955).

Councillor C. J. Merrey.
 (to May, 1955).

Councillor J. W. Denton.
 (to May, 1955).

Councillor A. E. Neale
 (from June, 1955).

Councillor D. Drew
 (from June, 1955).

Councillor J. E. Newns
 (from June, 1955).

Councillor P. W. G. Eyre.

Councillor G. H. Oakes.
 (to May, 1955).

Councillor T. Frost.

Councillor W. Ray.

Councillor F. M. Gibson.

Councillor H. A. Shaw.

Councillor T. Ham
 (from June, 1955).

Councillor G. H. R. Singleton.

Councillor W. E. Hart
 (from June, 1955).

Coun. R. C. Treadgold, M.B.E.

Councillor L. Walker.

Councillor Mrs. M. Hemstead

Councillor W. Waller.

Councillor G. M. Henderson
 (from June, 1955).

Councillor S. Wootton.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

C. G. WOOLGROVE, M.B., CH.B., D.P.H., Medical Officer of Health

G. L. ROE, M.S.I.A., Senior Sanitary Inspector.

W. T. POWELL, M.S.I.A., Deputy Senior Sanitary Inspector.

G. ELLIS, M.S.I.A., Additional Sanitary Inspector.

B. T. JONES, M.S.I.A., Additional Sanitary Inspector

A. P. ALLEN, M.S.I.A., Additional Sanitary Inspector

Shardlow Rural District Council

Annual Report of Medical Officer of Health FOR THE YEAR, 1955.

To the Chairman and Councillors of the Rural District of Shardlow.

DEAR SIR, LADIES AND GENTLEMEN,

I have the honour to submit the Annual Report on the state of the public health in the District for the year 1955.

The detailed lay-out and arrangement of this year's report will be found to differ considerably from previous reports. An attempt has also been made to provide not only the essential figures, vital statistics and factual matter but also to present them in such a manner that the interest of not only the Council and its members may be stimulated but also the ratepayers of this authority, who are of course entitled to know the whys and wherefores appertaining to the Public Health Department and its activities during 1955.

Infectious Diseases loomed large during the year, there being a total of 2,357 cases compared with 708 for the previous year. It proved, in all senses of the word, a "measle-y year," 1939 cases of measles being notified, compared with 115 in 1954. This disease is not always so mild as parents like to believe, and a circumspect parent can offer some protection to her infant-in-arms by preventing as far as possible, contacts with other infants and children of school-age at the time of a local epidemic.

This year brought with it the greatest number of Poliomyelitis cases ever experienced in the authority's area since the disease became notifiable in 1911. Most of the cases occurred in the 2—9 years age group, showing the wisdom of the policy of the Ministry of Health and the Medical Research Council in promoting the poliomyelitis vaccination scheme for this particular age range. Unfortunately a number of adults were also affected and in the main were the young mothers with families. As might be expected because of family commitments, etc., the paralysis rate in this group was very high. This may well serve to indicate that this particular section of the population should also receive priority when more poliomyelitis vaccine is available in future.

I would like to express my appreciation to the Medical Superintendent, Dr. Taylor of the Derwent Hospital and also Dr. MacCormick for their kindness and assistance at all times.

My thanks are due to the Consultant Chest Physician, Dr. Morrow Brown, for his help and assistance in all matters relating to Tuberculosis. With regard to this particular problem, B.C.G. Vaccination can do much to help us in the struggle to banish this disease from amongst young adolescents who are thrown into industrial life with little or no protection against this disease. It is hoped that this boon may be made available to school-leavers of the Shardlow District in the not too distant future.

Housing statistics are given in the body of the report and include the number of new houses built during the year. Private development has played a very active part and, in fact, was the highest in the County. Council houses continue to be erected at a very satisfactory rate, and includes provision for persons in houses which have been condemned. This work will, of course, assume greater importance in the years ahead.

Here I feel reference should be made to the housing of the Elderly, since the population trend in this District and country as a whole indicates an increasing percentage of those people reaching the age of reflection ! The percentage of the population in this District which might be termed elderly was 12.8% in the 1951 census and, for the current year, was estimated to have risen to not less than 14%. Details concerning the siting and type of such suitable accommodation is given within the body of this report.

The Council, in their wisdom, appointed a Housing Welfare Officer to assist with the manifold problems which arise with regard to Council houses and their tenants. There is no doubt that her work will be a great benefit to the health and welfare of the tenants and their families and ensure that the authority's interests are served.

We welcome Miss Brooks as a member of our staff since her appointment is jointly with the Surveyor's Department and the Health Department.

The Principal of the Morley Agricultural Institute and the Provincial Director of Shardlow Hall, of the Ministry of Agriculture, Fisheries and Food Department, have very kindly provided meteorological data for 1955 from which it will be noted that the rainfall for the year was 23.2 inches and for 1954, 34.24 inches, indicating that 1955 was a drier year altogether. We were indeed fortunate to experience a fine Summer with 253 hours of sunshine during July, 139 during August and 155 during September.

I have requested Mr. Haynes, our Water Manager, to prepare a report which only he personally can do, namely a history of the Water Undertaking of this authority. He has served this authority for 43 years and has seen the Undertaking develop from small beginnings to its present proportion.

Details relating to other matters of health, vital statistics, water, housing and sanitation of the District are set out in the body of the Report.

I should like to take this opportunity of expressing my appreciation to Dr. Morgan, the County Medical Officer of Health, and his staff for their assistance throughout the year.

To Mr. Roe, my Public Health Officer, and all members of the Health Department, for their loyal and efficient co-operation at all times, which has added so much to the pleasure of the work.

I wish to thank you, Sir, and your fellow members of Council for the support and encouragement which has been accorded to me throughout the year.

I am, Sir, Ladies and Gentlemen,

Yours obediently,

CYRIL G. WOOLGROVE,
Medical Officer of Health.

STATISTICS OF THE AREA.

Area (in acres)—44,204.

Registrar General's estimate of resident population, 1955—79,520.

Number of inhabited houses according to the Rate Books (31/3/56)—26,385.

Rateable Value (31/3/56)—£500,912.

Net sum represented by a Penny Rate (31/3/56)—£1,923.

VITAL STATISTICS.

Live Births.

			Total.	M.	F.
Legitimate	...	...	1126	584	542
Illegitimate	...	...	38	17	21
			1164	601	563

Birth Rate per 1,000 of the estimated population 14.6.

Birth Rate per 1,000 of the estimated population for comparative purposes 14.2.

Still Births.

Total.	M.	F.	
24	13	11	Legitimate.
			Illegitimate.
24	13	11	

Rate per 1,000 (live and still births) 20.6.

Deaths.

Total.	M.	F.
747	391	356

Crude Death Rate per 1,000 of the estimated resident population, 9.4.

Death Rate per 1,000 for comparative purposes, 10.7.

Deaths from various causes (Headings as Registrar General's list).

No. 30. Pregnancy, Childbirth, Abortion :—

Deaths—2.

Rate per 1,000 total (live & still) births—1.7.

Deaths of infants under one year of age :—

			Total	M.	F.
Legitimate	...	...	17	7	10
Illegitimate	...	...	1	1	—
			—	—	—
			18	8	10
			—	—	—

Including deaths of infants under 4 weeks of age :—

Legitimate	...	...	13	6	7
Illegitimate			—	—	—
			—	—	—
			13	6	7
			—	—	—

Death Rate of infants under one year of age :—

All infants per 1,000 live births	...	...	15.5
Legitimate infants per 1,000 legitimate live births	...	...	15.1
Illegitimate infants per 1,000 illegitimate live births	...	...	26.3

Nos. 10-14 Deaths from Cancer (all ages)	...	...	114
No. 5 Whooping Cough (all ages)	...	...	—
No. 8 Measles (all ages)	...	...	—
No. 27 Gastritis, Enteritis and Diarrhoea (all ages)...	...	...	3

National Assistance Act, 1948.

SEC. 47. (Removal to Hospital, etc.)

No cases were dealt with during the year although a number of visits were made to Old Aged Pensioners who were encouraged to voluntarily enter a Hostel for Old People.

SEC. 50.

One case was dealt with during the year.

DERBYSHIRE COUNTY COUNCIL.

CLINICS WHICH SERVE THE AREA OF SHARDLOW RURAL DISTRICT.

Ante-Natal Clinics—

Derby, New County Offices Yard, St. Mary's Gate—Tuesday a.m.

Long Eaton, 4, Nottingham Road—Wednesday a.m. and p.m.

Infant Welfare Centres—

Alvaston, Nunsfield House—Thursday a.m. and p.m.

Borrowash, Women's Institute—1st and 3rd Monday p.m.

Chellaston, Methodist Church Schoolroom, High Street—2nd & 4th
Tuesday p.m.

Chaddesden, Church of Christ, Reginald Road—Wednesday a.m. and p.m.

Draycott, Church Hall, Derby Road—2nd & 4th Wednesday p.m.

Long Eaton, 4, Nottingham Road—Monday a.m. and p.m.

Littleover, Baptist Chapel, Thornhill Road—Thursday p.m.

Melbourne, The Bungalow, Penn Lane—Wednesday p.m.

Sandiacre, Memorial Institute—Monday p.m.

Sinfin, St. Stephen's Church Hall, Sinfin Lane—2nd & 4th Monday p.m.

Spondon, New Methodist Church—Friday a.m. and p.m.

Minor Ailment Clinics—

Derby, New County Offices Yard, St. Mary's Gate—2nd and 4th Sat. a.m.

Long Eaton, 4, Nottingham Road—2nd & 4th Saturday a.m.

Melbourne, The Bungalow, Penn Lane—Wednesday a.m.
(Nurse only).

Dental Clinics—

Derby, Walker Lane	}	By appointment.
Long Eaton, 4, Nottingham Road		
Ilkeston, Albert Street		

Eye Clinics—

Derby, Walker Lane	}	By appointment.
Long Eaton, The Grange C. School, Station Road		
Ilkeston, Albert Street		

Orthopaedic Clinics—

Derby, New County Offices Yard, St. Mary's Gate—Thursday a.m. & p.m.
 Long Eaton, 4, Nottingham Road—Friday a.m.
 Ilkeston, Albert Street—Wednesday a.m. and p.m.

Speech Therapy Clinics.

Derby, Walker Lane, New County Offices Yard	}	By appointment.
Long Eaton, 4, Nottingham Road		
Ilkeston, Albert Street		

Chest Clinics—

Derby, Chest Clinic, 93, Green Lane—
 Wednesday—9 a.m. to 12 Mid-day ; 6 p.m. to 8 p.m. (Primarily for
 Workers).
 Friday—9 a.m. to 12 Mid-day ; 2 p.m. to 4 p.m.
 Saturday—10 a.m. to 12 Mid-day (Contact Clinic).
 Ilkeston, Albert Street—Wednesday, 9.30 a.m. to 12.30 p.m. ; and
 2 p.m. to 4 p.m.
 Long Eaton, The Hall Grounds—Tuesday—9.30 a.m. to 12.30 p.m. ;
 and 2 p.m. to 4 p.m.

TABLE SHOWING CAUSES OF DEATH.

CAUSE OF DEATH.	Male	Female	Total
1—Tuberculosis, respiratory ...	5	5	10
2—Tuberculosis, other	1	1	2
3—Syphylitic disease	3	1	4
4—Diphtheria	—	—	—
5—Whooping cough	—	—	—
6—Meningococcal infections ...	—	—	—
7—Acute poliomyelitis	—	—	—
8—Measles	—	—	—
9—Other infective & parasitic diseases	1	—	1
10—Malignant neoplasm, stomach ...	7	5	12
11—Malignant neoplasm, lung, bronchus	13	3	16
12—Malignant neoplasm, breast ...	—	21	21
13—Malignant neoplasm, uterus ...	—	8	8
14—Other malignant & lymphatic neoplasms	29	28	57
15—Leukaemia, aleukaemia ...	2	6	8
16—Diabetes	—	2	2
17—Vascular lesions of Nervous system	51	59	110
18—Coronary disease, angina ...	82	34	116
19—Hypertension with heart disease	6	4	10
20—Other heart disease	49	68	117
21—Other circulatory disease ...	24	13	37
22—Influenza	3	3	6
23—Pneumonia	10	17	27
24—Bronchitis	17	11	28
25—Other diseases of respiratory system	4	2	6
26—Ulcer of stomach & duodenum	8	2	10
27—Gastritis, enteritis & diarrhoea ...	—	3	3
28—Nephritis and nephrosis	3	3	6
29—Hyperplasia of prostate	8	—	8
30—Pregnancy, childbirth, abortion...	—	2	2
31—Congenital malformations ...	6	6	12
32—Other defined & ill-defined diseases	39	40	79
33—Motor vehicle accidents ...	10	1	11
34—All other accidents	8	5	13
35—Suicide	2	3	5
36—Homicide & operations of War	—	—	—
All causes	391	356	747

INFECTIOUS DISEASES.

					<i>Number of cases :—</i>	
					<i>Notified</i>	<i>Removed to Hospital.</i>
CASES NOTIFIED DURING 1955.						
Tuberculosis—Pulmonary	...	...	...	...	46	27
Tuberculosis—Other Forms	...	...	...	...	15	8
Smallpox :—						
No. vaccinated and revaccinated	—					
No. vaccinated in infancy	—					
No. unvaccinated	...				—	—
Scarlet Fever	...	...	...	...	52	14
Diphtheria	...	...	...	...	—	—
Enteric Fever :—						
Typhoid	...	...	...	...	—	—
Para-typhoid	...	...	...	...	—	—
Puerperal Pyrexia	...	...	...	...	2	—
Cerebro-spinal Fever	...	...	...	...	1	1
Erysipelas	...	...	...	...	15	1
Ophthalmia Neonatorum	...	...	...	...	1	—
Acute Encephalitis :—						
(a) Infective	...	...	...	...	—	—
(b) Post-infectious	...	...	...	...	1	1
Acute Polio-Myelitis						
(a) Paralytic	...	...	...	...	5	5
(b) Non-paralytic	..	...	...	...	14	14
Pneumonia	...	...	...	...	32	1
Measles	...	...	...	...	1,939	22
Whooping Cough	...	..	...	...	215	4
Other diseases (specifying them) :—						
Dysentery	...	...	...	...	15	4
Food Poisoning	...	...	...	...	4	1
					2,357	103

CASES OF NOTIFIABLE DISEASES AT VARYING AGES DURING 1955.														
DISEASE.	Under										Age			
	1	1	2	3	4	5	10	15	20	35	45	60	unknown	Total
Scarlet Fever ...	...	...	2	1	3	8	33	2	1	2	—	—	—	52
Puerperal Pyrexia ...	...	...	—	—	—	—	—	—	2	—	—	—	—	2
Pneumonia ...	...	...	1	—	—	—	4	—	1	2	6	9	8	32
Erysipelas ...	...	...	—	—	—	—	—	—	1	5	2	7	—	15
Acute Poliomyelitis : —														
Paralytic ...	...	...	—	—	—	—	3	—	—	1	1	—	—	5
Non-Paralytic ...	...	...	—	3	1	1	5	1	3	—	—	—	—	14
Food Poisoning ...	...	...	2	—	—	1	—	—	1	—	—	—	—	4
Dysentery ...	...	...	—	—	—	1	—	2	3	5	4	—	—	15
Ophthalmia Neonatorum ...	...	...	1	—	—	—	—	—	—	—	—	—	—	1
Acute Encephalitis ...	...	...	1	—	—	—	—	—	—	—	—	—	—	1
Measles ...	...	...	42	171	214	241	260	976	16	8	8	1	—	2 1,939
Whooping Cough ...	...	...	11	22	28	37	31	82	2	8	8	2	—	215
Meningococcal Infection ...	...	...	—	—	—	—	—	—	—	—	—	1	—	1
GRAND TOTAL ...														2,296

There were fifty-two cases of Scarlet Fever notified in the District during the year. These occurred evenly throughout the four quarters of the year. Although the course of this disease is now relatively mild it proved necessary on medical, social, and environmental grounds for fourteen cases to be admitted to hospital.

TABLE 1. NOTIFICATION BY AGE AND SEX.

TABLE 2. NOTIFICATION BY PARISHES.

GRAND TOTAL 52.

No cases were notified for the fifth year in succession and no death has occurred from this disease for nine years.

We were very fortunate in that only 215 cases of Whooping Cough were notified. Of these, 4 cases were admitted to hospital.

The main impact of the disease was reached in the last quarter of the year, there being 111 cases notified. We also experienced during this quarter a remarkably good period of weather.

The parish of Alvaston experienced the highest number of cases, viz., 53, followed by Borrowash with 28, and Chaddesden with 23.

The following tables give notifications by age and sex, and by parish distribution.

	Under	1	1—2	3—4	5—9	10—14	15—24	25×	Total
Males	5	24	30	44	1	—	—	—	104
Females	6	26	38	38	1	—	—	2	111
GRAND TOTAL—215.									

NOTIFICATION BY PARISH.

Alvaston	...	...	53	Melbourne	...	...	4
Allenton	..	...	14	Ockbrook	...	...	6
Swarkestone	...	...	2	Borrowash	...	...	28
Breadsall	...	...	1	Risley	...	...	5
Breaston	...	...	2	Sandiacre	...	...	8
Chaddesden	...	...	23	Stanley	...	...	2
Chellaston	...	...	18	Stanley Common	...	...	8
Draycott	...	...	1	Stanton-by-Dale	...	...	1
Little Eaton	...	...	4	Sinfin	...	...	1
Littleover	...	...	18	Spondon	...	...	16

GRAND TOTAL—215.

In spite of the small number of cases notified during the year, it is to be hoped that parents, and in particular the mothers of young children, are convinced of the efficacy of the combined diphtheria and whooping cough immunisation which is available to their children through the family practitioner under the National Health Service.

The three injections which are required should commence at the age of 5—6 months, being completed by the time the child is 9 months old, and a booster dose being due just prior to the child entering the primary school.

Measles.

1955 can well be termed a Measles year as 1,939 cases were notified by general practitioners as occurring in the District.

873 cases were notified for the months of January, February and March, 934 for April, May and June ; 129 cases for the months of July August and September and three cases for October, November and December.

It can therefore be seen that the first two quarters of the year witnessed the wide dissemination of the disease with an abrupt falling off of cases after the month of June.

Parents do not appreciate how much can be gained by home and garden quarantine of their offspring during such an epidemic.

Measles leaves in its train debilitated children who are more susceptible to other infections, beside the occurrence of such sequelae as bronchitis, pneumonia, catarrh and sinusitis.

A preponderance of cases occurred in the 3—4 years and 5—9 age ranges ; but this disease also occurred in infants under the age of 1, and in adults over 25 years of age. In adults, of course, it is a much more serious disease.

TABLE. 1. NOTIFICATION BY AGE AND SEX.

	Under 1	1—2	3—4	5—9	10—14	15—24	25	Total
Males	20	175	258	499	7	7	3	969
Age unknown	1							1
Females	22	210	243	477	9	3	4	968
Age unknown								1

GRAND TOTAL—1,939.

NOTIFICATION BY PARISH.

Alvaston	...	...	268	Morley	...	...	3
Allenton & Shelton Lock			106	Ockbrook	...	...	32
Aston	...	...	1	Borrowash	...	...	79
Barrow & Swarkestone			3	Risley	...	...	22
Breadsall	...	...	10	Sandiacre	...	...	215
Breaston	...	...	98	Shardlow	...	...	3
Chaddesden	...	...	396	Stanley	...	...	28
Chellaston	...	...	106	Stanley Common		...	43
Dale Abbey	...	...	13	Stanton-by-Bridge		...	2
Draycott & Wilne		...	28	Stanton-by-Dale		...	3
Elvaston & Thulston	...		5	Sinfin	...	...	7
Little Eaton	...	...	8	Spondon	...	...	179
Littleover	...	...	204	West Hallam		...	33
Melbourne	...	...	37	Weston-on-Trent		...	7

GRAND TOTAL—1,939.

We can expect, therefore, that during 1956 the District will be singularly free from Measles.

Poliomyelitis.

It is interesting to note that although Poliomyelitis was first made notifiable in 1911, the first case was notified in this District twelve years later in 1923.

The table below has been constructed to show the number of Poliomyelitis cases over five-yearly periods, 1921-5 to 1951-5. It will be seen that some twelve cases were notified in the twenty-five years, 1921-45, there being never more than four cases notified in any five-year period. Since then sixteen cases were notified in the five-year period, 1946-50, eight of these being in 1950, which was the highest number in any single year until 1955 when 19 cases were confirmed. The figures make it plain that this is a disease of modern times and modern civilisation.

CASES NOTIFIED IN GROUPS OF 5 YEARS.

1921—0	1926—1	1931—2	1936—0	1941—0	1946—1	1951—6
1922—0	1927—1	1932—0	1937—1	1942—2	1947—2	1952—2
1923—1	1928—0	1933—0	1938—0	1943—0	1948—2	1953—5
1924—0	1929—0	1934—0	1939—*	1944—0	1949—3	1954—3
1925—0	1930—1	1935—1	1940—0	1945—2	1950—8	1955—19
Total	1	3	3	1	4	16
						35

*No record.

During the year under review nineteen cases of Poliomyelitis, paralytic and non-paralytic, were notified. The first case occurred in the month of July, followed by nine in August, six in September, two in October, and the last case in November. The months of August and September showing the maximum number of cases.

NOTIFICATION BY AGE AND SEX.

	<i>July</i>		<i>August</i>		<i>September</i>		<i>October</i>		<i>November</i>	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
2 years	—	—	1	2	—	—	—	—	—	—
3 years	—	—	—	1	—	—	—	—	—	—
4 years	—	—	—	—	—	—	1	—	—	—
5 years	—	—	—	—	1	—	—	—	—	—
6 years	—	—	—	—	—	—	—	—	—	—
7 years	—	—	1	—	—	—	—	—	1P	—
8 years	—	—	—	—	2	1P	—	—	—	—
9 years	1P	—	1	—	—	—	—	—	—	—
10 years	—	—	1	—	—	—	—	—	—	—
Adults aged 21—35 yrs.	—	—	—	2	—	2(1P)	—	1P	—	—
TOTAL	1	—	9	—	6	—	2	—	1	—

N.B.—P—Paralytic Poliomyelitis.

Measures adopted were those laid down by the Ministry of Health in their pamphlet, July 1954, No. 93222/7/63. This meant the exclusion of all children who were close contacts of a case of Poliomyelitis from school for 21 days and their parents were recommended, as far as possible, to enforce home and garden quarantine. No interference with the employment of adults was necessary except in two cases, one being a schoolteacher who was excluded from school for 21 days, whereby they did not come into contact with the infants or school children. The parents of all the children concerned are to be congratulated on the manner of their full co-operation in this matter, showing a high level of public health “consciousness.”

These procedures have been instituted in accordance with the epidemiological conception that there is a “narrow stream of infection” and that most of the cases occurred amongst the younger susceptibles.

Adults will have acquired some resistance to the disease in previous years and will therefore be unaffected unless subjected to a particularly virulent attack.

It will be seen that the earlier cases in the District were mild at first, but that later, cases of the paralytic type became evident. If therefore the infection was due to the original virus, its virulence must have been increased by its passage through the population.

The experience gained during the year again emphasises the great need during an epidemic year for all cases of persistent temperature or influenzal conditions to be treated as suspected Polio-myelitis. The patient can do much for himself and the population by resting quietly at home and avoiding undue physical exertion or exercise, whilst calling in medical assistance.

This will do much to limit paralysis should it occur. It is often impossible or very difficult for a mother of a family to do this and examination of the individual notifications which occurred during the year showed them to be the worst affected of the paralytic cases.

By staying at home the patient further limits the spread of the disease by reducing the number of contacts concerned. A few days' rest **BECAUSE OF A FEBRILE COLD WILL** do nothing but good, even if it is a false alarm.

NOTIFICATION BY PARISH.

Alvaston	...	...	3	Morley	...	...	...	1
Chaddesden	...	...	4	Stanley	...	...	...	2
Breaston	...	...	2	Sinfin	...	...	...	1
Draycott	...	...	1	Spondon	...	...	...	1
Littleover	...	...	4					

GRAND TOTAL—19.

Meningitis.

One such case was notified during the year. This was most unusual in that it occurred in a lady aged 72 who was admitted to Derwent Hospital as a case of Purulent Meningitis. She developed an acute suppurative arthritis of her right knee and was later transferred for appropriate orthopædic treatment to the Derbyshire Royal Infirmary. The Parish concerned being STANLEY.

Acute Encephalitis.

One case of Acute Encephalitis occurred in Chaddesden affecting a baby girl, aged one year. The Encephalitis followed an attack of mumps. The patient was admitted to Derwent Hospital.

Erysipelas.

Fifteen cases of Erysipelas were notified, all occurring in patients over the age of 20 years. There was a manifest preponderance amongst females in the age range 35-64 years.

NOTIFICATION BY AGE AND SEX.

	15—44	44—64	65 and over.	Total
Males	1	1	2	4
Females	5	5	2	11

Grand Total—15.

NOTIFICATION BY PARISH.

Chaddesden	...	...	4	Littleover	...	...	1
Chellaston	...	...	2	Sandiacre	...	...	1
Shelton Lock	...	...	2	Stanley	...	...	1
Stanley Common	...	...	2	West Hallam	...	...	2

GRAND TOTAL—15.

Food Poisoning.

Four cases of Food Poisoning were notified during the year in three families. The parishes concerned were Borrowash, Littleover and Draycott. There is no doubt in my mind that many more such cases must have occurred but were either not brought to the attention of the family doctor or for some reason or another there was failure to notify.

School Meals ; milk in schools scheme.

The issue to schools of milk tablets instead of liquid milk for a short time during the year raised problems which were gallantly faced both by teaching staff and pupils alike.

One complication occurred in a village school when a mild attack of suspected food-poisoning affected some 28 pupils, in all, and also members of the staff. Although the milk tablets were naturally suspect, they were completely exonerated by laboratory and bacteriological tests and examinations. The cause of such outbreaks, particularly when the same illness is at large among the general population, is at times very difficult to ascertain. This proved to be so on this occasion.

It is encouraging to be able to report that the School Meals Service arrangements were satisfactory and that with the full co-operation of the teaching staff further hygienic measure were recommended and instituted, which effected a quick termination of the outbreak.

Acute Pneumonia.

Thirty-Two cases of Acute Pneumonia were notified during the year, the incidence being highest in the months of January, February and March. The figures for the spring and autumn quarters were still high. One adult, male, aged 58, was admitted to Hospital.

The following tables give details relating to age and sex distribution of the notifications and the numbers occurring by parish.

NOTIFICATION BY AGE AND SEX.

	Under 1	5—14	15—44	45—64	Over 65	Total
Males	1	2	5	9	1	18
Age not recorded	—	—	—	—	—	—
Females	—	2	4	4	3	13
Age not recorded	—	—	—	—	—	1

GRAND TOTAL—32.

NOTIFICATION BY PARISHES.

Alvaston	...	...	3	Morley	...	...	...	1
Allenton	...	...	5	Ockbrook	...	...	...	1
Breadsall	...	...	1	Sandiacre	...	...	...	4
Breaston	...	...	1	Stanley	...	...	...	1
Chaddesden	...	...	2	Stanley Common	...	...	...	3
Chellaston	.	...	4	Sinfin	...	...	...	1
Littleover	...	...	4	West Hallam	...	...	...	1
GRAND TOTAL—32.								

Dysentery.

Fifteen cases were notified during the year. Thirteen cases were at the Aston-on-Trent Mentally Defective Hospital occurring during the months of June and July. The other two cases were at Chellaston and occurred in separate families. They were admitted to Hospital for treatment.

NOTIFICATION BY AGE AND SEX.

				Under 5	5—14	15—44	Total
Male	...	...	...	—	1	12	13
Female	...	...	...	1	1	—	2

GRAND TOTAL—15.

Smallpox.

No cases occurred during the year, although members of three families who had travelled by sea and/or air from the Far East and the Middle East, who had contact with smallpox cases, were kept under surveillance for fourteen days. Such surveillance occurred in the parishes of West Hallam and Littleover.

Enteric or Typhoid Fever.

No cases notified during the year.

Puerperal Pyrexia.

Two cases were notified during the year.

Ophthalmia Neonatorum.

One case of Ophthalmia Neonatorum was notified during the year in the parish of Shelton Lock on a caravan site. This case was kept under observation by Miss Brooks, our Housing Welfare Officer.

Tuberculosis.

RESPIRATORY TUBERCULOSIS.

Forty-six cases of Respiratory Tuberculosis were notified during the year. The proportion occurring in the 15-24 age group was the average normally associated with urban development. It is hoped that with the advent of B.C.C. Vaccine it will be possible to reduce the percentage of cases in this age group to a minimum. They are, in the main, early cases and represent the impact of industry on the younger generation who have left school.

It is disappointing to me to note the number of cases occurring in the 25-64 age range.

For treatment to be successful every effort must be made to find the disease at the earliest possible stage and with the present services available, there can be little excuse for any adult not seeking the advice of the Consultant Chest Physician, Green Lane Clinic, Derby, through the kind offices of his or her doctor.

NOTIFICATION BY AGE AND SEX.

	Under 5	5—14	15—24	25—44	45—64	65×	Total
Males	2	1	5	6	10	—	24
Females	—	—	4	10	4	2	20

GRAND TOTAL—44.

NOTIFICATION BY PARISH.

Alvaston	...	...	7	Breaston	...	...	1
Chaddesden	...	...	9	Shardlow	..	...	1
Chellaston	...	...	1	Borrowash	...	...	1
Draycott	...	...	1	Sandiacre	...	...	7
Littleover	...	...	7	Stanton-by-Dale		..	2
Melbourne	...	...	2	Spondon	...	..	3
Ockbrook	...	...	1	Sinfin	...	...	1

GRAND TOTAL—44.

TUBERCULAR MENINGITIS.

No cases were notified during the year and it is worthy of note that the Minister of Food issued a special milk designation order, making this District one in which only designated milk may be sold after 1st October, 1954. Designated milks are pasteurised milk, sterilised milk and tuberculosis tested milk. There is no doubt that the practice of extending such areas throughout the country will, in the course of time, banish the occurrence of this disease.

Tuberculosis—Other.

Fifteen cases of Tuberculosis other than Pulmonary or Meningitis were noted during the year ; the majority of these being cervical glands of the neck and my comments just previously with regard to safe milk apply with equal force here.

The tables below give details concerning notifications by age and sex ; parish distribution and diagnosis.

NOTIFICATION BY AGE AND SEX.

	Under 5	5—14	15—24	25—44	45—64	Total
Males	1	3	2	1	—	7
Females	2	2	1	3	—	8

GRAND TOTAL—15.

NOTIFICATION BY PARISH.

Alvaston	...	...	1	Ockbrook	...	...	1
Aston-on-Trent	...	...	1	Sandiacre	...	...	1
Borrowash	...	...	1	Shardlow	...	...	1
Chaddesden	...	...	4	Stanton-by-Dale	...	...	1
Littleover	...	...	1	Spondon	...	...	1
Morley	...	...	1	Weston-on-Trent	...	...	1

GRAND TOTAL—15.

NOTIFICATION BY PART AFFECTED.

Cervical Glands	...	...	8	Hilar Glands	...	...	1
Spine	...	...	2	Genito Urinary Tract	...	...	1
Intestine	...	...	2	Peritonitis	...	...	1

GRAND TOTAL—15.

I would like to thank the Consultant Chest Physician, Dr. Morrow Brown, for his unfailing help and assistance at all times in regard to Tuberculosis patients.

Diphtheria Immunisation.

Immunisation in the District is undertaken by General Practitioners and also by the Assistant Medical Officers of the County Council at the various Clinics.

It has not proved possible to obtain such detailed figures as were available in previous years and the figures, therefore, are in the nature of an estimate.

Number of children immunised during the year 1955, (primary immunisation only) were a total of 931. Details as follows :—

Age Group.

Under 1 year	40
1 year	502
2 years	160
3 years	50
4 years	29
5—9 years inclusive	150
10—14 inclusive	10
	931

The policy of offering Diphtheria Immunisation to schoolchildren whilst they are in attendance at school has been greatly appreciated by the parents. This has resulted in a number of children who, because of ill health, etc., had not been immunised, being given the opportunity of having the injections at school.

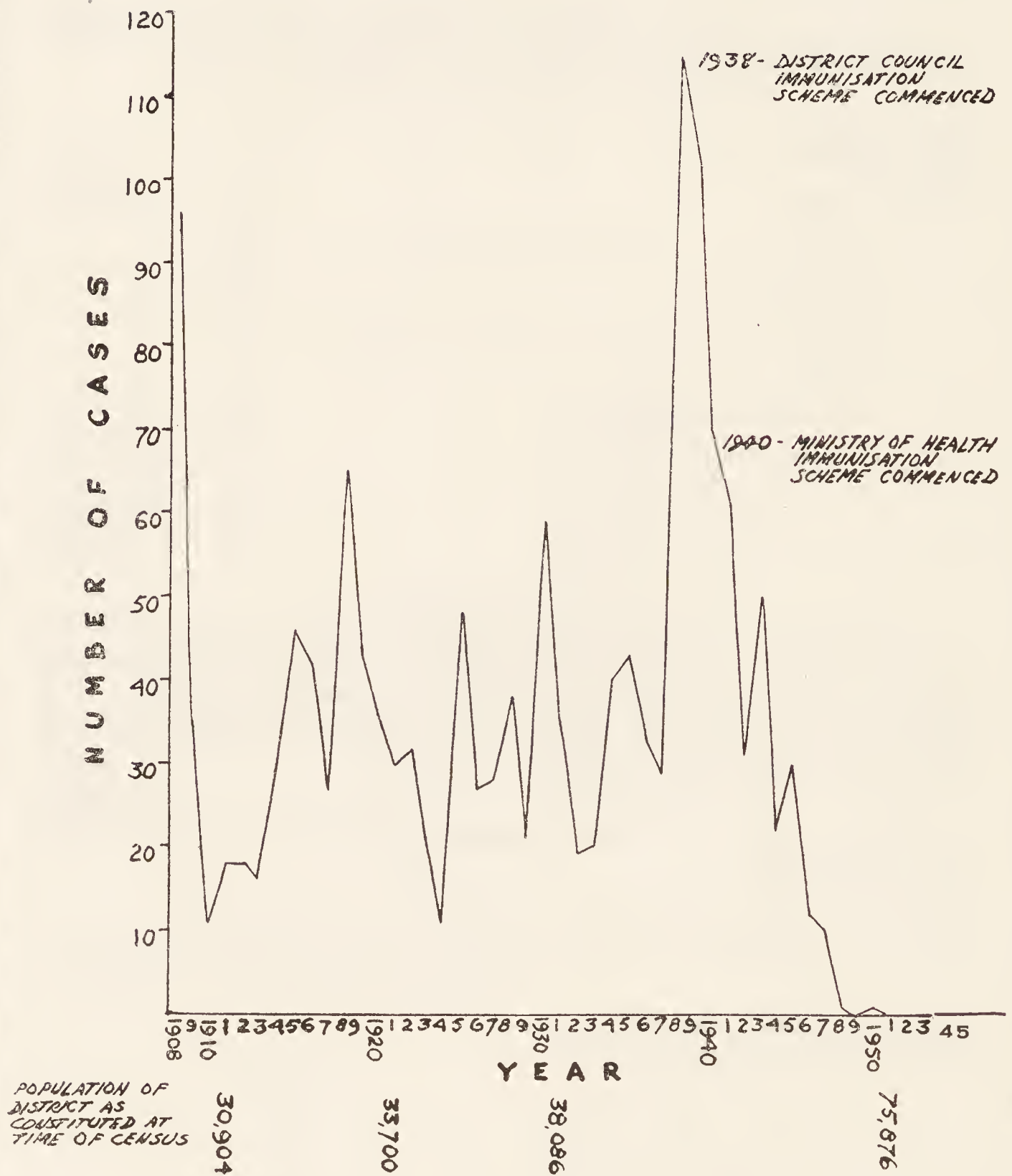
The numbers receiving a Booster or Reinforcing injection has been maintained.

Booster or Reinforcing Injections.

AGE GROUP.	NUMBER.
5—9 years	530
10—14 years	33
	563

SHARDLOW RURAL DISTRICT

NUMBER OF CASES OF DIPHTHERIA ANNUALLY 1908-1955



HOUSING.

This Authority has every reason for being proud of its housing programme having erected some 3,685 dwellings in all. Of this number, 2,557 have been erected since the war and up to December 31st, 1955. 246 houses were completed by the Council in 1955, which is very satisfactory. One feature concerning the erection of new housing which is worthy of note is the number erected in the Council's area by private enterprise. During the year, this totalled 290 houses making since the war a total of 1,102 completed at December 31st, 1955.

The Council has wisely supported the Housing Committee in its endeavour to provide premises having groundfloor accommodation for the elderly, in the form of bungalows in all its future housing schemes ; the aim being for the elderly to be treated as an integral part of the community, not as a class apart.

The bungalows at present being erected are of the two-bedroomed type which can therefore be used equally well for young married couples with or without a small family, besides the elderly. Unfortunately during 1955, due to the necessity to "speed up" the building programme and the need of getting Ministry ratification, such accommodation was regretfully withdrawn from some of the housing schemes then under consideration.

As a result of this, the Council's current policy is to provide one third of their proposed Housing programme as bungalows. Although this is excellent in itself, it must be pointed out that the requirements of the elderly might be better met by the provision of groundfloor accommodation which includes : —

- (1). One bedroom.
- (2). Combined bathroom and W.C.
- (3). Sitting bath (half sunken).
- (4). Provision of steady grips placed in item 2.
- (5). Non-skid floor surfaces.
- (6). The entrances and exits of such premises to be at uniform level.

The 1951 census showed that 12.8% of the population of the District was aged 60 and over. Since then a further five years have elapsed and this percentage has correspondingly increased to 14% ; illustrating the increasing need for this type of accommodation. Such accommodation mentioned should, in my view, be provided in accordance with the Council's present scheme for bungalows, *i.e.* in pairs, in fours, on the wings of semi-detached houses, or where appropriate in units up to sixteen.

It is important that this accommodation should as far as possible be in the individual Parishes so as to obviate the necessity for the elderly to uproot themselves from their own neighbourhood and friends.

The following 246 houses were completed in 1955 :-

Aston-on-Trent	...	22	Ockbrook	...	...	12
Alvaston	...	54	Sandiacre	...	...	65
Chaddesden	...	20	Stanley	...	...	20
Melbourne	...	40	Shardlow	...	...	3
Barrow-on-Trent		10				

At the end of the year, the following 166 houses were in course of erection :—

Chaddesden	...	24	Sandiacre	...	...	33
Melbourne	...	26	Shardlow	...	...	27
Ockbrook	...	56				

The following table shows the houses and bungalows on the Council's estates at December 31st, 1955 :—

Situation.	Pre-war houses.	War-time agricultural workers' houses.	Post-war houses.	Prefabricated bungalows.	Total
Alvaston & Boulton ...	48		188		236
Aston-on-Trent	22	2	40		64
Barrow-on-Trent			10		10
Breadsall ...			8		8
Breaston ...	86		163		249
Chaddesden ...	36		246		282
Chellaston ...	28		224	50	302
Draycott ...	70		23		93
Little Eaton ...	32		22		54
Littleover ...	62		211		273
Melbourne ...	70		102		172
Normanton ...	14				14
Ockbrook ...	70		206		276
Sandiacre ...	222		319	50	591
Shardlow ...	10		19		29
Spondon ...	282		408	50	740
Stanley ...	28		192		220
Stanton-by-Bridge			8		8
West Hallam ...	34		18		52
Weston-on-Trent	10	2			12
	1,124	4	2,407	150	3,685

METEOROLOGICAL REPORTS FOR 1955.

SHARDLOW HALL.

Through the kindness of W. S. Gibson, Esq., Provincial Director of the Ministry of Agriculture, Fisheries and Food Establishment at Shardlow Hall, the following meteorological information for 1955 has been made available.

WEATHER AT SHARDLOW HALL DURING 1955.

JANUARY was mainly cold and wintry with period of frost and snow. A short mild spell occurred in the month with a day of continuous rain, while the last week was warm but very dull. On 20th—22nd thick fog formed in the evenings and persisted well into the mornings.

FEBRUARY commenced with mild weather with some rain and drizzle but most of the month was very cold with snow and frost. Snow falls were light until 24th when the ground was covered to an average depth of 7ins. Winds were mainly north-easterly.

MARCH was generally cold but sunny. Frozen snow persisted on the ground for the first week and snow showers fell in the 2nd and 3rd weeks. On the 22nd the weather became milder with much rain for several days. This led to extensive flooding of the land bordering the River Trent but the water subsided during the last few days of the month when it was cold and sunny.

APRIL. Warm, dull, showery weather was followed by a dry, sunny period until the last week when mild, rainy weather returned.

MAY was cool with much rain. The S.W. and N.W. winds were strong at times but in the last week N. Easterly winds were accompanied by drier, sunny weather.

JUNE was notable for the lack of sunshine and period of heavy rain. Thunderstorms occurred on two days.

In JULY the weather improved and the whole month was warm and sunny and dry except for three rainy days, on two of which thunderstorms occurred. Winds were light and mainly East or North-easterly.

AUGUST continued dry and hot but with less sunshine. Mist formed at night during the last fortnight.

SEPTEMBER was cool and unsettled with some rain. Towards the end of the month it became dry and warmer.

OCTOBER was a variable month. It began with an unsettled rainy period followed by a warm dry week during which fog developed at night and persisted throughout the mornings on some days. Cold dry weather ensued with sharp night frosts until warmer rainy weather returned at the end of the month.

NOVEMBER. Most of this month was mild and dull with rain in the first fortnight. Mist or fog occurred on several days.

DECEMBER. After an initial dry spell it was rainy for the rest of the month and mild and dull. Slight snow fell on the 19th and 22nd.

1955	<i>Rainfall in inches.</i>	<i>Hours of Sunshine</i>	<i>Number of Ground Frosts</i>	<i>Number of Days of Fog.</i>
January	2.04	34.0	17	3
February	2.05	80.0	25	0
March	2.69	127.8	24	1
April	1.19	137.6	12	0
May	3.41	162.6	3	0
June	4.25	127.5	1	0
July	0.99	253.0	0	0
August	0.66	139.8	0	0
September	0.80	155.4	2	1
October	1.81	115.6	13	2
November	1.55	52.8	12	3
December	2.07	49.2	17	3
Total	23.51	1,435.3	126	13

BROOMFIELD HALL.

I am indebted to the Principal of Broomfield Hall, Morley, P. A. Missen, Esq., M.A., Dip. Agric. (Cantab) for the meteorological information given below and for his pertinent observations thereon.

Mr. Missen states that "I think it is interesting to notice that although everybody thought 1955 was a very dry year it did not, in fact, start to be a dry year until July—up to that time it had been a very wet year. At the same time I personally was under the impression that 1954 was a colder year than 1955 but it appears from the number of frosts that occurred that the opposite was the case.

With regard to the figures shown, the average figures are not official Meteorological Office figures—they are those which we have collected at Broomfield over the last seven years."

BROOMFIELD HALL.
Meteorological Report, 1955.

	RAINFALL			SUNSHINE			FROST				AIR TEMP.						
	1955	1954	Av.	1955	1954	Av.	1955	1954		1955		1955					
	(ins.)	(ins.)	(ins.)	Av./day	Av./day	Av./day	Hrs.	Hrs.	Hrs.	Gd.	Air	Gd.	Air	Max.	Min.	Max.	Min.
				Hrs.	Hrs.	Hrs.	Gd.	No. of days		°F		°F		°F		°F	
Jan.	2.26	1.33	2.2	0.9	1.9	1.2	15	14	22	16	40	31	41	31			
Feb.	2.19	2.51	2.0	3.2	1.7	2.0	22	18	19	15	38	28	40	30			
Mar.	2.33	2.24	2.1	4.4	3.0	3.3	25	21	13	15	44	30	48	35			
Apr.	1.11	.32	1.8	5.0	5.3	4.6	9	0	14	2	56	41	54	37			
May	2.92	2.54	2.0	6.3	4.3	5.6	9	1	3	0	55	40	60	44			
June	3.63	4.04	2.3	4.4	4.3	6.2	1	0	0	0	63	47	62	49			
July	1.22	2.58	2.5	8.4	4.7	5.4	0	0	0	0	73	53	64	51			
Aug.	0.73	4.27	2.8	5.3	3.7	5.1	0	0	0	0	72	55	65	49			
Sept.	1.12	3.38	1.8	5.4	5.7	4.1	0	0	2	0	65	48	62	46			
Oct.	1.87	3.14	3.0	3.9	2.3	2.9	11	3	1	1	56	40	58	46			
Nov.	2.04	4.72	2.5	1.6	1.7	1.8	15	6	9	3	50	38	49	37			
Dec.	1.80	3.17	3.0	1.2	1.3	1.1	17	6	9	6	49	34	48	38			
Total	23.22	34.24	28.0														

Highest Max. Temp.	...	1955	83° F. on 14th July.
		1954	81° F. on 1st September.
Lowest Air Min.	...	1955	17° F. on 20th Jan. & 20th Feb.
		1954	17° F. on 2nd February.
Most rainfall in a day	...	1955	1.02ins. on 25th March.
		1954	0.93ins. on 20th August.

WIND DIRECTION SUMMARY 1955.

(Based on Shaw weeks, which do not necessarily fit into calendar months).

Wind direction at 9 a.m. G.M.T.

	No. OF DAYS.							
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
Jan.	6	6	3	4	2	2	4	0
Feb.	8	2	3	2	3	1	5	3
Mar.	9	8	1	2	3	0	3	1
Apr.	6	6	2	1	2	6	10	0
May	2	3	1	1	0	7	13	0
June	2	11	4	1	0	3	7	0
July	4	12	3	0	6	4	3	2
Aug.	4	8	2	2	1	4	0	6
Sept.	4	3	1	0	2	12	10	0
Oct.	4	1	0	0	2	2	10	8
Nov.	4	2	1	3	2	0	5	3
Dec.	6	0	5	3	1	8	9	3

HISTORY OF THE SHARDLOW RURAL DISTRICT COUNCIL WATER UNDERTAKING.

This interesting history of the Council's undertaking has been compiled by Mr. F. Haynes who retired from the post of Water Manager in 1956 after forty-three years' service.

The sketch map of the system has been prepared by Mr. D. E. Jowett who was appointed successor to Mr. Haynes.

"When I first entered the service of Shardlow Rural District Council in 1913, there were three Public Water Supplies serving the Area.

1.—STAPLEFORD & SANDIACRE JOINT WATER SUPPLY.

Originally the scheme was operated by a private company. They constructed a pumping station, sank a well in the Bunter Sandstone, a service reservoir with a capacity of 70,000 gallons at Risley Lane, Sandiacre and laid $11\frac{1}{2}$ miles of mains. In 1889 this private company became a public water company and was known as the Stapleford and Sandiacre Water Company Limited composed of elected members for Stapleford and Sandiacre. Before Shardlow R.D.C. took over in 1931, this water company extended and developed the original scheme considerably. They converted the steam pumping plant to diesel and electrically driven pumps, constructed a service reservoir in Risley Park (capacity 100,000 gallons) and, in order to soften the hard local water, they bought daily 45,000 gallons from the Derwent Valley Water Board and mixed the waters in the Risley Reservoir.

In 1931, the Nottingham City Corporation obtained control of the Stapleford Section. At the same time the District Council took over the responsibility of supplying Sandiacre Parish. Ultimately, in 1937, this scheme was linked with other schemes which had meantime been developing in Shardlow R.D.C. area.

2.—MELBOURNE WATER SCHEME.

Particulars of the beginning of this scheme are not available, but there was a scheme in operation approximately 65 years ago. From verbal accounts given by residents, I gather that the water was drawn from the Long Eaton Urban District Council's 12in. trunk main at King's Newton, and was distributed by variously sized mains throughout Melbourne and King's Newton. The water drawn from the Long Eaton Authority's supply pipe was very hard. There was, and still is, a small brick storage tank in the garden of "Bleak House," Derby Hills. The scheme was under the control of a Melbourne Parochial Committee, subject to Shardlow R.D.C. The financial side of the scheme was under District Council supervision. As a result of

local dissatisfaction with the water, the District Council was consulted and they instructed their Engineers, Messrs. Elliott & Brown of Nottingham, to advise on a new water supply. A borehole was put down at Bog Lane, Derby Hills, where the water was at first good and plentiful, 10,000 gallons per hour being raised by an air-lift system. This supply deteriorated, as did many other underground supplies, during the long drought period of 1934-36, and it became necessary to obtain water elsewhere. Therefore a link-up was made between the Sandiacre and Joint Parishes Mains, and Melbourne at Borrowash. Water was pumped from Sandiacre into the main, passing through Borrowash, Elvaston, Chellaston and thence to Melbourne. The water thus obtained was used, temporarily, to relieve the shortage at Melbourne. This situation persisted until 1937, when the Little Eaton pumping station was opened and the reservoir at "Drum Hill" was brought into use.

3.—STANLEY AND WEST HALLAM WATER SCHEME.

Prior to 1905 inhabitants of Stanley and West Hallam depended for water on springs and shallow wells, but when the Stanley Pit shaft was put down by the Mapperley Colliery Company, water in the shallow wells disappeared. The excess water encountered in the Pit shaft was pumped into the Stanley Brook from where people who had lost their supply had to fetch it. The quantity of water pumped from the colliery shaft was assessed at 250,000 gallons per day. It was now necessary for a reliable water supply to be provided for the Stanley and West Hallam sector. The local District Council Representatives suggested that the waste water at the colliery should be used to provide a piped water supply for the two parishes. Thus was started Stanley and West Hallam Joint Water Scheme. A reservoir was constructed at Smalley Common, (capacity 90,000 gallons). Water was pumped by the Colliery Company up to this reservoir whence it was distributed through the mains to any who applied for it. This water was not of the best quality, having a temporary hardness of 29.60. After 1937 this sector received all the water required of the mixed Little Eaton Boreholes and Derwent Valley Waters from "Drum Hill" reservoir. The water from the Colliery has not since been used, although during the 1939-45 war period it provided an emergency stand-by supply.

SEVEN PARISH JOINT WATER SCHEME.

A scheme to provide water supplies for the following seven parishes.—Aston-on-Trent, Breaston, Draycott, Chellaston, Elvaston and Ockbrook and Shardlow was laid down in 1926-27. Up to this time the inhabitants had depended for water supplies on wells, but owing to the rapid industrial development of this part of the rural district it became necessary to provide a reliable piped supply. A reservoir, (capacity 500,000 gallons) was constructed at Dunn's Hill,

Ockbrook, through which was passed a daily quantity of 50,000 gallons. This quantity has been raised from time to time as demands for water increased. This Dunn's Hill Reservoir was linked with the "Drum Hill" reservoir when the latter was brought into commission in 1937.

OLD SAWLEY WATER SCHEME.

In 1927 an agreement was entered into with the Long Eaton Urban District Council permitting the Shardlow Rural District Council to make a connection to their 12in. trunk main in Tamworth Road, Old Sawley. Water mains of 3in. diameter were laid throughout the village. The daily quantity of water drawn from the L.E.U.D.C. main did not exceed 20,000 gallons and was a mixture of water drawn from Stanton-by-Bridge and Derwent Valley. Water storage for the parish was covered by the U.D.'s Castle Donington Reservoir. A few years later, 1933-35, the parish was transferred to Long Eaton.

KIRK HALLAM WATER SCHEME.

In 1928 an agreement was entered into with the Ilkeston Corporation permitting the District Council to make a connection to the Corporation's supply main at Little Hallam. A 3in. diameter water main was laid through the village as far as "Bunker's Hill Cottages" on the Ladywood Lane. The source of the water drawn from Ilkeston was the Ilkeston and Heanor Water Board's Merebrook supply. This parish was merged with the Borough of Ilkeston at 1933-35 revision of boundaries.

WATER SUPPLIES AND SEWERAGE ACT, 1944.

Under this Act, the District Council was able to submit to the Ministry of Health plans for the laying of mains for the general improvement of water supplies in the district. These were made up as follows :—

- (a) 1946-48. 9in. main from Noah's Ark Borrowash to London Road, Elvaston.
- (b) 1947-9. 9in. main from Dale Abbey via Stanton-by-Dale-Sandiacre. Also the construction of a service reservoir (500,000 gallons capacity) at Stanton Road, Sandiacre, and a length of 4in. main along "No man's" Lane from Lodge Farm, Dale Abbey to Park Farm, Risley.
- (c) 1947-50. 4in. mains from Risley to Breaston—Draycott to Shardlow—Shardlow to Aston-on-Trent.

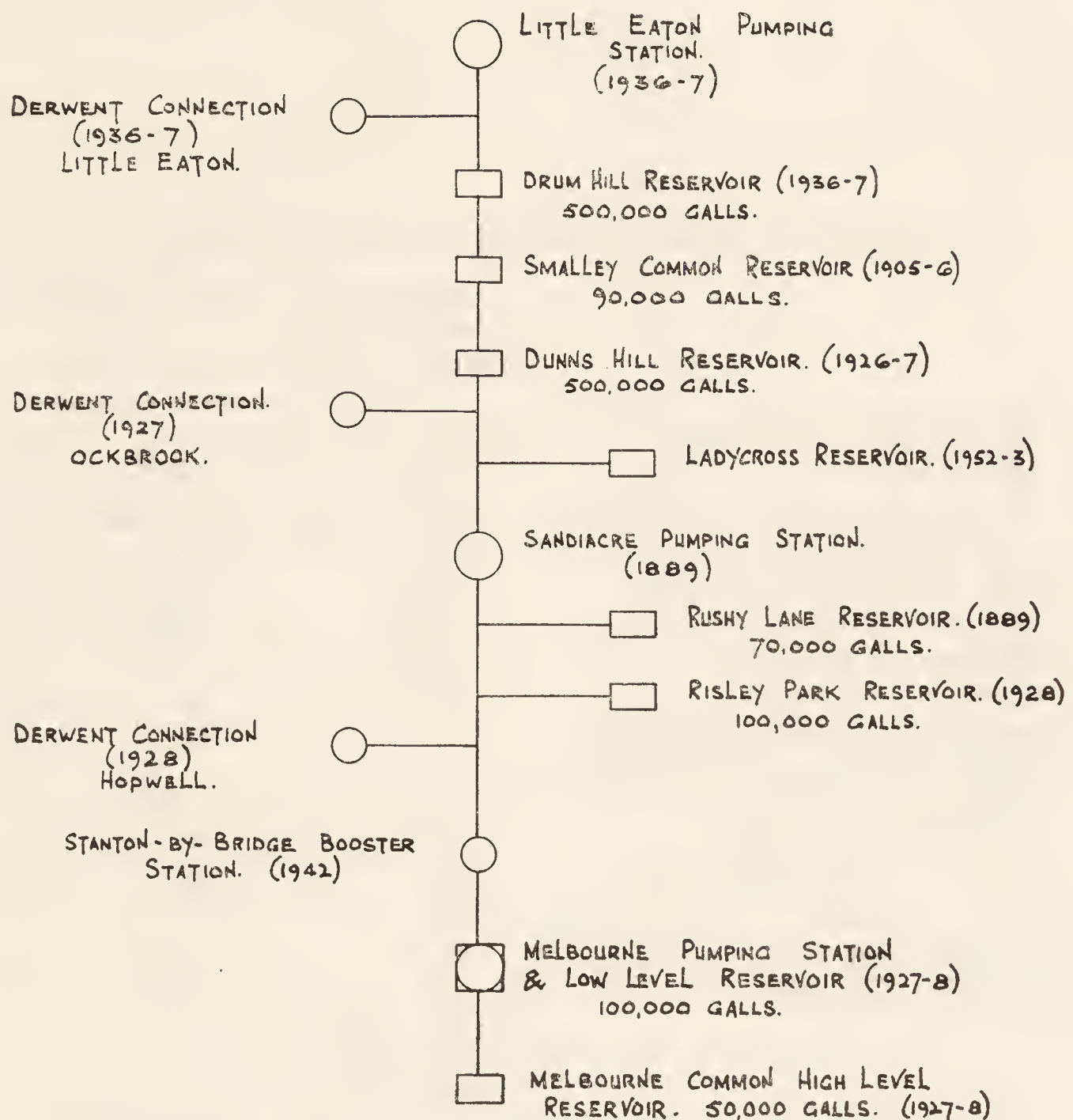
- (d) 1953-54. 4in. and 3in. mains from Chellaston to Lea Farm, Sinfen Moor.
- (e) 1954. 4in. main from Wilne Lane to London Road and Aston Lane—Shardlow.
All these extensions of mains were made—
 - (1) To complete an alternative route of supply on the eastern side of the District.
 - (2) To provide supplies for sections of the district previously without an adequate supply of drinking water.

In 1937 all these water schemes, with the exception of Kirk Hallam and Old Sawley, were merged into one. They all, except for Melbourne, which draws a part supply only, draw their total water supplies from the Drum Hill Reservoir. This reservoir receives water from the Little Eaton Boreholes and the Derwent Valley Aqueduct. Hamlets at Morley, Morley Moor—Lime Lane, Morley, Draycott Hospital and Long Eaton Co-operative Society's farms, Hopwell Lane and Sawley Grange Farm, are supplied direct from the Derwent Valley Aqueduct. The quantities drawn at the various points are included in the total daily quantities agreed with the Derwent Valley Water Board, of 805,000 gallons. The total value of the Shardlow Water Schemes at March 31st, 1955 was £245,877/7s./6d. and the total revenue £32,653/19s./7d.

In conclusion I would say that a water manager's job is usually considered a comfortable, safe one, but it certainly has its hazards. For instance, I have twice been nearly drowned, once in a reservoir and once down a well ; have been threatened with a loaded gun in the hands of an irate drunken farmer ; once been chased by a wolf-hound, which nearly had me for his dinner, (some dinner !) ; once been nearly strangled in a deep meter chamber into which I slipped head-downwards ; once been gassed with chlorine, and once had the police on my trail trying to round me up as a witness. Add to this, being chased by a savage bull while I was advising a farmer on agricultural water supply, and you have a very realistic version of a Water Manager's job. Oh ! I nearly forgot that I once nearly lost Mr. Woodward Senior down the borehole at Little Eaton, when a hinge on one of the grids covering the sump broke and let him through ! The projecting flanges on the pump suction, however, saved the situation.

I would like to thank all those who have been associated with me for their co-operation during the development and expansion of public water supply during the years of my long service with the Shardlow Rural District Council."

DECEMBER 1956.

SHARDLOW R. D. C.WATER SUPPLIES.SKETCH PLAN OF PUMPING STATIONS
AND RESERVOIRS.

D. E. JOWETT.
WATER MANAGER.

WATER SUPPLIES.

The quantity of water supplied in the Shardlow water area during the year ended March 31st, 1956, was as follows :—

Domestic supplies	305,035,076 gallons.
Metered supplies	84,422,000 gallons.

The domestic consumption is equivalent to 27.5 gallons per head per day of population supplied.

Results of Chemical Analysis of Water in Supply.

	<i>Supplied by Shardlow Rural District Council.</i>	<i>Supplied by Derby Corporation.</i>
Appearance in 2 ft. tube	Clear, faintly green	—
pH value	8.24	8.05
Total Solid matter (Dried at 180 degrees C)	Results in parts per million. 110	140
Free and Saline Ammonia ...	0.004	0.008
Albuminoid Ammonia ...	0.03	0.04
Nitrogen as Nitrites	Very faint trace	0
Nitrogen as Nitrates	0.2	0
Chlorine (present as Chloride)	14	23
Oxygen absorbed in four hours at 80 degrees Fahr.	0.74	0.34
Hardness—Temporary ..	30	35
„ Permanent ...	30	45
„ Total	60	80
Metals—Iron	0.18	0.24
Available Chlorine	0	0.08
	Sample taken at Draycott, Sept. 1954.	
Analyses by	R. W. SUTTON,	R. W. SUTTON,
	County Analyst.	Borough Analyst.

RESULTS OF CHEMICAL ANALYSIS OF SAMPLES OF RAW WATER
TAKEN 16th FEBRUARY, 1954.

				<i>Borehole, Little Eaton Pumping Station.</i>	<i>Borehole, Melbourne Pumping Station.</i>
(a) Physical Examination.					
Colour	...	...	...	Yellowish-green	Faintly brownish-green
Appearance	...	...	...	Very slightly turbid	slightly turbid.
Taste	...	...	...	nil	nil
Smell	...	...	...	nil	nil
(b) General Chemical Examination.					
Reaction	...	...	...	pH. 7.25	pH. 7.6
				Results in parts per million.	
Free Carbon Dioxide as CO/2				7.0	3.5
Ammoniacal Nitrogen as N.				0.01	0.02
Albuminoid Nitrogen as N.				0.01	0.02
Nitrous Nitrogen as N.	...			0	Very faint trace.
Nitric Nitrogen as N.	...			0	Trace.
Hardness as CaCO/3 (Hehner) :					
Temporary				145	170
Permanent				60	70
Permanganate figure	...			0	0.05
Alkalinity as CaCO/3	...			145	170
Total Solids	...	...		272	305
(c) Mineral Analysis.					
Calcium as Ca	...	...		48.0	56.5
Magnesium as Mg	...	...		21.1	24.1
Sodium as Na	...	...		14.4	13.0
Carbonate as CO/3	...	...		86.3	101.9
Chloride as Cl	...	...		22	24
Sulphate as SO/4	...	...		61.7	64.2
Iron—Total	...	...		0.4	0.98
Soluble	...	...		—	0.17
(d) Other determinations.					
Silica	...	...	...	10.6	9.6
				In appearance the sample was slightly turbid and of a faint yellowish-green colour.	In appearance the sample was slightly turbid and of a faint brownish-green colour. Most of the turbidity appears to be due to iron compounds.
				The analytical results afford no evidence of the occurrence of active pollution.	The analytical results afford no evidence of the occurrence of active pollution.
					The iron content of this water is sufficiently high to render it objectionable for drinking purposes in its present condition.

Analyses by R. W. Sutton, County Analyst.

PARTICULARS AS TO WATER SUPPLY AS REQUIRED BY MINISTRY OF HEALTH CIRCULAR 42/51.

The Parishes of the Shardlow Rural District supplied with water by the Derby Corporation are :—Alvaston & Boulton, Breadsall, Chaddesden, Little Eaton, Littleover, Spondon and the Parishes of Arleston and Sinfin Moor which are supplied by special agreement.

The area of the district included in the Shardlow Rural District Council water area consists of the Parishes of Aston-on-Trent, Barrow-on-Trent, Breaston, Chellaston, Dale Abbey, Derby Hills, Draycott, Elvaston, Hopwell, Melbourne, Morley, Ockbrook, Risley, Sandiacre, Shardlow, Stanley, Stanton-by-Bridge, Stanton-by-Dale, Swarkestone, West Hallam, Weston-on-Trent, Arleston and Sinfin, Sinfin Moor, (the last two parishes being supplied by Derby Corporation by special agreement).

Parishes supplied by Shardlow Rural District Council.

Parishes supplied by Derby Corporation.

(i) Whether the water supply of the area and of its several parts has been satisfactory.

- (a) in quality.
- (b) in quantity.

(ii) Where there is a piped supply, whether bacteriological examinations were made of the raw water and, where treatment is installed, of the water going into supply ; if so, how many and the results obtained ; the results of any chemical analyses.

- (a) Satisfactory.
- (b) Satisfactory.

During 1955 five samples were taken, all of water going into supply. One sample for chemical analysis was satisfactory ; of the four samples for bacteriological examination, one was unsatisfactory and three satisfactory.

- (a) Satisfactory.
- (b) Satisfactory.

Regular examination is made of the raw water and of the water going into supply. As all water is treated the majority of samples are taken after treatment.

A total of 562 Bacteriological, 89 Chemical and 577 pH and Hardness samples were taken, both at the works and from various points in the area of supply.

(iii) Where the waters are liable to have plumbo-solvent action, the facts as to contamination by lead, including precautions taken and number and result of analyses.

Water supplied is a mixture of Derwent Valley and borehole water, the latter from boreholes at Little Eaton and Melbourne. The former is likely to have plumbo-solvent action and the use of copper or tinlined lead pipes is required. None of the analyses revealed the presence of lead.

Only that proportion of the supply obtained from the Derwent Valley Water Board is liable to plumbo-solvent action.

Under the Derwent Valley Water Act, 1899, water supplied by the Board is required to be treated by them for the prevention of such action before the water is delivered to any of the constituent Undertakings.

(iv) Action taken in respect of any form of contamination.

Chlorinating plants installed at Little Eaton and Melbourne. Usual dosage 3lbs. Chloros per million gallons.

All water is chlorinated before being passed into supply.

(v) Particulars of the number of dwelling houses and the number of the population supplied from public water mains

- (a) direct to houses.
- (b) by means of standpipes.

Number of houses supplied ...	10,385	Number of houses supplied ...	15,589
Equivalent population ...	30,457	Equivalent population ...	47,662

There are no public stand-pipes in the district and about 50 houses are supplied from stand-taps in house yards.

Allowing for sundry supplies by other authorities a total of 26,067 houses, equivalent population 78,445, are supplied with water from public mains.

See table at end of Report.

REFUSE COLLECTION AND DISPOSAL.

The costs for the year ending March 31st, 1956, after allowing for sundry income were as follows :—

				<i>Average cost per house.</i>		
				£	s.	d.
Refuse Collection	...	...	33,023	18	8	1 5 0 $\frac{1}{4}$
Refuse Disposal	...	...	6,461	14	4	4 10 $\frac{3}{4}$
Combined figures	...	...	39,485	13	0	1 9 11
Combined figures 1954/5	...	...	£33,690	15	10	£1 6 11 $\frac{3}{4}$

Direct labour collection and disposal continued throughout the year. Wages increased by 5 $\frac{7}{8}$ d. per hour.

One new vehicle, an S.D. fore and aft tipping vehicle with diesel engine, was acquired in August and put into operation at Littleover. The large capacity of the new vehicle enabled it to replace two smaller lorries. New engines were fitted in three of the collection vehicles.

In October the Council approved a bonus scheme for refuse collection and this had a promising beginning in the remainder of the year. Each collection area is set a weekly target and a bonus payment is made for all bins emptied in excess of the target.

The tipping sites at Chellaston, Dale Abbey, Little Eaton, Melbourne and West Hallam continued to be used throughout the year.

Cesspool Emptyer.

The Austin machine which was acquired in May, 1951, continued to be used during the year for the collection of nightsoil throughout the district, work at sewage disposal works and a certain amount of private cesspool emptying for which a charge of 16/6 per hour is made.

Costs for the year ending March 31st, 1956, were as follows:—

				£	s.	d.
Vehicle licence and insurance	...	...	...	64	5	7
Petrol and oil	...	...	...	285	10	8
Repairs and replacements including new engine	...	...	...	182	6	2
Wages and insurance	...	...	...	1,120	12	7
Stock a/c.	...	...	...	4	9	2
				1,657	4	2
Sundry income	...	...	...	203	13	1
Net cost for year	...	...	...	£1,453	11	1

The cost for 1955/56 was apportioned as follows :—

Sewage Disposal	...	...	...	...	£268	11	0
Refuse Collection	...	...	...	...	£1,168	10	9
Refuse Disposal	...	...	...	...	£16	9	4

General Purpose Lorries.

The Austin trucks continued to be operated during the year, being used for general haulage in connection with sewage disposal, refuse collection and disposal. The costs for the year ending March 31st, 1956, were as follows :—

	£	s.	d.
Licences and Insurance	124	10	10
Garage	12	6	7
Petrol and oil	306	18	4
Repairs and replacements	125	17	1
Wages and insurance ...	794	14	4
Stock a/c.	4	4	7
	£1,368	11	9

The cost per hour was 6/9¼d. per vehicle and the lorries were used for the following services :—

	£	s.	d.
Sewage Disposal ...	931	11	9
Refuse Collection ...	132	1	7
Refuse Disposal ...	117	9	1
Atmospheric pollution ...	14	2	5
Salvage	53	2	1
Elections	8	0	8
Dustbin delivery ...	44	16	4
Public conveniences ...	67	7	10

Salvage.

During the year ended March 31st, 1956, income from salvage amounted to £2,996/6s./10d. and expenditure (other than bonus payments) was £335/5s./0d. The various materials disposed of during the year were as follows :—

	T.	C.	Q.	£	s.	d.
Waste Paper ...	278	4	0	2834	16	10
Ferrous metals ...	71	3	3	124	19	2
Non-ferrous metals		14	3	74	10	11
Textiles ...	11	17	2	225	4	8
	362	0	0	£3,259	11	7

The sale of waste paper to Thames Board Mills, Ltd., was continued throughout the year ; the salvage bonus scheme was also continued and a total of £654/4s./9d. was paid to employees. The maximum quarterly individual payment varied from £2/10s./5d. to £3/10s./0d.

A second-hand electrically operated baling press was acquired during the year and installed at the Dale Abbey salvage dépôt. The cost of the machine and installation, including a payment of £90 to the East Midlands Electricity Board, was £197/15s./8d.

General Purpose Van.

The Morris van was used by the Sewage Works Foreman, and the cost for the year ending March 31st, 1956, was as follows : —

	£	s.	d.
Licence and Insurance ...	12	10	0
Petrol and Oil	56	3	5
Repairs, replacements, etc. including new engine	71	2	10
	£139	16	3

The vehicle covered a total of 9,828 miles.

Mortuary.

The mortuary is situated at Station Road, Chellaston, and the maintenance cost for the year ending March 31st, 1956, was £23/7s./8d. Fifty-seven cases have been dealt with from 1940 to the end of 1955.

Supply of Dustbins, etc.

During the year ending March 31st, 1956, 857 dustbins were supplied by the Council, 584 to Council properties and 273 to private premises.

Food and Drugs Act, 1938.

Knackers' Yards.

There are two licensed premises in the district and both have been maintained in satisfactory order.

Slaughterhouses.

There are 13 licensed slaughterhouses in the district and all animals slaughtered have been inspected. For this purpose 1,512 visits were made, including many at week-ends and other times outside normal office hours. The tables show particulars of animals inspected and meat condemned during the year ended December 31st, 1955.

CARCASES INSPECTED AND CARCASSES CONDEMNED during 1955.

	All Cattle	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	1,361	970	391	105	2,928	1,769	Nil
Number inspected	1,361	970	391	105	2,928	1,769	Nil
All diseases except Tuberculosis & Cysticerci.							
Whole carcasses condemned	Nil	Nil	Nil	Nil	5	1	Nil
Carcasses of which some part or organ was condemned	226	161	65	Nil	43	38	Nil
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	16.60	16.59	16.62	Nil	1.64	2.20	Nil
Tuberculosis only.							
Whole carcasses condemned	2	1	1	Nil	Nil	Nil	Nil
Carcasses of which some part or organ was condemned	177	79	98	Nil	Nil	38	Nil
Percentage of the number inspected affected with tuberculosis	13.15	8.24	25.32	Nil	Nil	2.14	Nil
Cysticercosis.							
Carcasses of which some part or organ was condemned	Nil	1	Nil	Nil	Nil	Nil	Nil
Carcasses submitted to treatment by refrigeration	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Generalised and totally condemned	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total of all Diseases.							
Whole Carcasses condemned	2	1	1	Nil	5	1	Nil
Carcasses of which some part or organ was condemned	404	240	164	Nil	43	76	Nil
Percentage of the number inspected affected with disease	29.83	24.84	42.45	Nil	1.63	4.35	Nil

CLASSIFICATION OF DISEASES OTHER THAN TUBERCULOSIS
AND CYSTICERCI IN WHOLE CARCASSES AND PARTS OF
CARCASSES CONDEMNED.
CATTLE.

	TOTALLY CONDEMNED		PART CONDEMNED.	
	Cattle Excluding Cows	Cows	Cattle Excluding Cows	Cows
Actinomycosis ...	—	—	4	2
Mastitis ...	—	—	—	2
Pericarditis ...	—	—	2	—
Injury & Bruising ...	—	—	1	3
Abscess Adhesions ...	—	—	2	—
Localised Diseases : Parasitic, Abscesses, Cystic, Angiomatosis, etc. ...	—	—	133	79
TOTALS ...	—	—	142	86

SHEEP.

	TOTALLY CONDEMNED	PART CONDEMNED.
Oedema & Emaciation	5	—
Injury & bruising ...	—	1
Localised diseases : - Parasitic, Abscesses, Cystic, etc.	—	42
TOTALS ...	5	43

PIGS.

	TOTALLY CONDEMNED.	PART CONDEMNED.
Pig Paratyphoid ...	1	—
Pneumonia ...	—	17
Injury and Bruising ...	—	1
Localised Diseases : Parasitic, Abscesses, Cystic, etc. ...	—	20
TOTAL ...	1	38

WEIGHT OF MEAT CONDEMNED.

			Tons	cwts.	qrs.	lbs.
Beef ...	...	—	15	1	—	—
Mutton ...	...	—	2	3	3	3
Pork ...	...	—	—	3	2	2
Offal ...	...	4	10	0	17	17
		5	8	3	22	22

Food & Drugs Act, 1955.

The following foodstuffs were condemned during the year as the result of routine inspection at premises other than slaughter-houses :—

TINNED & BOTTLED GOODS.

			lbs.	ozs.
1 tin	Beef Casserole	... ..	1	0
63 tins	Corned Beef	... ..	246	8
1 tin	Minced Beef	... ..		12
7 tins	Minced Beef Loaf	... ..	5	14
1 „	Gammon	... ..	14	12
4 „	Ham	... ..	22	15
1 „	Ham & Chicken	... ..	3	0
11 „	Jellied Veal	... ..	60	12
32 „	Luncheon Meat	... ..	58	4
4 „	Pork Luncheon Meat	... ..	8	11½
20 „	Stewed Steak	... ..	14	15½
1 „	Calf's tongue	... ..		12
2 „	Sheep's tongue	... ..	1	8
9 „	Ox Tongue	... ..	54	0
21 „	Hors D'oeuvres	... ..	6	3
11 jars	Chicken Spread	... ..	1	6
2 tins	Crab	... ..		14
18 „	Crawfish	... ..	9	0
3 „	Pilchards	... ..	2	12
5 „	Salmon & Lobster Paste	... ..	5	0
1 „	Sardines	... ..		4½
1 „	Mushroom Soup	... ..		15½
3 „	Vegetable Salad	... ..	1	6½
3 „	Beans	... ..	2	8
25 „	Baked Beans	... ..	24	8
1 „	Beetroot	... ..	1	3
51 „	Peas	... ..	51	12
1 „	Spaghetti	... ..		10½
127 „	Tomatoes	... ..	130	12½
3 „	Fruit Salad	... ..	2	14½
117 „	Apples	... ..	117	0
21 „	Apricots	... ..	24	3½
10 „	Blackberries	... ..	9	9
4 „	Blackcurrants	... ..	3	8
4 „	Gooseberries	... ..	4	1
2 „	Greengages	... ..	2	2½
6 „	Oranges	... ..	4	0
50 „	Peaches	... ..	53	2½
8 „	Pears	... ..	9	6
15 „	Pineaples	... ..	14	14
1 „	Plums	... ..	1	4

7	„	Prunes	...	...	13	2
2	„	Strawberries	...	...	1	10 $\frac{1}{2}$
2	„	Cream	...	...		12
27	„	Evaporated Milk		...	24	0
1	„	Skimmed Milk	...	...	1	0
2	„	Grapefruit Juice		...	2	6
3	bottles	Orange Squash		...	2	7
3	jars	Jam	...	...	3	0
2	tins	Syrup	...	...	4	0
1	tin	Treacle	...	...	1	0
					1,032	6

PRESERVED AND COOKED MEATS—LOOSE.

				lbs.	ozs.
Pale Bacon	...	...	...	146	0
Smoked Bacon	...	...	...	10	0
Corned Beef	...	...	...	15	8
Fish Cakes	...	...	...	5	0
Cooked Gammon		...	...	7	4
Pale Gammon	...	...	...	60	4
Ham	...	...	...	57	12
Luncheon Meat		...	...	4	12
Sausage Meat	...	...	...	4	0
Beef Sausages	...	...	...	127	8
Pork Sausages	...	...	...	50	0
Ox Tongue	...	...	...	2	0
				490	0

DRY AND DAIRY GOODS.

				lbs.	ozs.
Cheese—loose	...	...		271	8
Cheese—packets		...	...	60	0
Margarine	...	...	...	17	8
Baby rusks	...	...	...	1	0
Bread	...	...	...	2	10
Angel Cake	...	...	...	17	8
Chocolate Cake	...	...	...	10	0
Jam Cake	...	...	...	14	4
Cake Mixtures	...	...	...	12	0
Dessert Powders		...	...	8	8
Self raising flour	...	...	...	66	0
Breakfast Cereal		...	...		10
All Bran	...	...	...		10

Corn Flakes	...	...	...	1	8
Puffed Wheat	...	...	...		8
Rice Crispies	...	...	...	1	14
Cocoa	...	...	...		8
Jelly Cubes	...	...	...	1	0
Jelly Crystals	...	...	...	2	5
Mincemeat	...	...	...	20	0
Polished Rice	...	...	...	24	0
Stuffings	...	...	...	1	12
Sultanas	...	...	...	4	0
Scotts Emulsion				12	0
				551	9

TOTAL ... 2,073 lbs. 15 ozs.

The following information is supplied by courtesy of the County Analyst : —

Food & Drugs Act, 1955.

228 samples, including 98 Milks, were taken under the above Act in the area of the Shardlow Rural District Council during the year 1955.

No serious adulteration was detected and irregularities were dealt with by caution notice.

One sample of T.T. Milk was deficient in Fat and four samples of Pasteurised Milk (two being T.T. Pasteurised) contained small amounts of added water. These samples were followed by investigation at the dairy premises and a faulty procedure has been corrected.

One sample of Pork Sausages was somewhat deficient in meat and contained preservative without declaration. The manufacturer undertook to see that the necessary preservative notice was displayed and agreed to adjust the proportion of meat used.

A sample of Marzipan was not labelled in accordance with the Labelling of Food Order. Following representations to the manufacturers amended labels are now in use.

The remaining samples were classed as satisfactory.

Milk Tablets supplied to Schools and thought to have been the cause of sickness in some children were submitted for examination. The tablets were of normal composition and there was no evidence of deterioration or contamination.

Diseases of Animals Acts.

During the year notifications were received concerning five outbreaks of Anthrax. In all cases the premises were visited and where necessary arrangements for inoculation of personnel were made.

Sampling.

The following samples were collected during the year : —

Water supplies (other than mains supplies)	...	6
Milk	... ..	129
Sewage and sewage effluents	... ..	53

Petrol Supplies.

23,600 gallons of motor fuel were purchased during the year ended 31st March, 1956. There are two pumps, each with 500 gal. storage tank, situated one at Chaddesden and one at Melbourne.

Closet Conversion Scheme.

Statutory action under Sec. 47, Public Health Act, 1936, continued throughout the year. During the twelve months ended 31st March, 1956, 23 new waterclosets were provided replacing 2 privies and 20 pail closets.

Closet accommodation in the district is now estimated to be : —

Water closets	... ..	30,295
Pail closets	... ..	524
Privies	... ..	219

Post-war Sewerage Schemes.

Completion of major schemes at Barrow, Swarkestone, Elvaston, Morley, Stanton-by-Bridge, Shardlow, Breaston and Draycott (Nos. 1, 2, 3, 4, 6 & 7) were referred to in the 1954 Report.

Scheme 5—Sandiacre & District Regional Scheme.

This joint scheme of sewerage, serving Stanton-by-Dale, Sandiacre, Risley, Breaston and Draycott, was completed and the new disposal works at Draycott were officially opened by the Chairman of the Council on March 31st, 1955.

A motor van was purchased for the use of the Chargeman in visiting off-site pumping stations and other works and a motor scythe was acquired for use on the site.

The position regarding other major schemes is as follows : —
CHADDESSEN, SPONDON.

Schemes concerning the two disposal works were considered by the Council and submitted to the County Council in 1953. They were the subject of meetings with the County Council, Ministry of Housing & Local Government and the Derby Corporation.

CHELLASTON.

There were no further developments regarding the scheme for enlargement of the disposal works, particulars of which had been forwarded to the County Council and the Ministry.

DALE ABBEY, MORLEY (part), BREADSALL (part).

Particulars of these schemes had been submitted to the Ministry and although they were the subject of a meeting with Ministry officials there were no further developments.

LITTLEOVER.

In December 1954 the Ministry held a local hearing concerning matters relating to the sewerage of the Derby Corporation housing estate at Sunnyhill. Following a meeting with representatives of the Ministry the drainage of the area was reviewed.

OCKBROOK.

A scheme providing for the abandonment of the existing disposal works at Borrowash and for pumping the sewage to the new disposal works at Draycott had been submitted to the County Council in 1953 ; it was the subject of a meeting with the County Council in 1955.

STANLEY, WEST HALLAM.

Schemes of sewerage and sewage disposal for these Parishes were submitted to the Ministry and the County Council in 1952 and 1953. There were no further developments during the year other than preliminary discussions concerning the ultimate outlet for sewage from the two Parishes.

The following were also dealt with during the year : —
BREASTON.

Following completion of the Breaston and Draycott sewerage scheme (No. 7 of the major post-war schemes) the Golden Brook was cleaned out for a distance of 2,100 yards.

CHADDESSEN.

50 yards of 6in. foul sewer and one new manhole were installed at Eden Road.

LITTLE EATON.

92 yards of 6in. foul sewer and one new manhole were installed at Eaton Bank.

MORLEY.

37 yards of 6in. foul sewer were installed at Brackley Gate. A Ministry Chemical Inspector visited the Brackley Gate disposal works in September. A subsequent communication from the Minister made no adverse criticism of the general standard of maintenance of

the works and the Minister was satisfied that the effluent at the time of the Inspector's visit had no unduly detrimental effect upon the Carr Brook below the works. Suggestions were made regarding certain modifications and these were duly carried out.

STANTON-BY-DALE.

The old disposal works had become redundant with the completion of the Sandiacre and District Regional Scheme; they were demolished and the site cleared for agricultural use. The work earned the commendation of the Estate Agent for the owners of the land.

STANLEY.

The Council had under consideration the provision of sewerage facilities to four premises at Derby Road but owing to the high cost involved the matter did not proceed.

WEST HALLAM.

The outfall sewer for part of West Hallam passes through land situated between St. Wilfrid's Road and High Lane. This large area of land is now the Tinklers Opencast Coal Site and a scheme providing for the relaying of over a mile of outfall sewer was agreed with the National Coal Board.

Rodent Control.

Infestations at private premises were dealt with during the year as well as systematic treatments of the refuse tips, sewage works and sewerage systems. The cost of the service for the year ending March 31st, 1956, after allowing for sundry income of £18/6s./4d. was £1,060/17s./9d. This amount includes the cost of a new motor van which was purchased during the year.

The following return, covering the period April 1st, 1955 to March 31st, 1956, was made to the Ministry of Agriculture, Fisheries & Food.

	TYPE OF PROPERTY.				
	NON-AGRICULTURAL.				Agricultural
	Local Authority	Dwelling Houses (including Council Houses)	All other (including Business Premises)	Total of Cols. (1) (2 & (3))	
	(1)	(2)	(3)	(4)	(5)
I Number of properties in Local Authority's District.	50	26,385	600	27,035	200
II Number of properties inspected as a result of					
(a) Notification ...	—	244	39	283	—
(b) Survey under the Act	50	471	83	604	80
(c) Otherwise (e.g. when visited primarily for some other purpose) ...	50	1,364	711	2,125	181
III Total inspections carried out—including re-inspections (To be completed only if figures readily available) ...	1,120	4,807	2,258	8,185	261
IV Number of properties inspected (In Section II) which were found to be infested by :—					
(a) Rats					
(Major) ...	—	—	—	—	—
(Minor) ...	17	224	25	266	10
(b) Mice					
(Major) ...	—	—	—	—	—
(Minor) ...	—	20	14	34	—
V Number of infested properties (in Sec. IV) treated by the L.A. (Figures should NOT exceed those given at at Sec. IV).	17	244	39	300	—
VI Total treatments carried out—including re-treatment (To be completed only if figures readily available) ...	62	244	39	345	—
VII Number of notices served under Sec. 4 of the Act :					
(a) Treatment ...	Nil	Nil	Nil	Nil	—
(b) Structural Work (i.e. Proofing) ...	Nil	Nil	Nil	Nil	—
VIII Number of cases in which default action was taken following issue of notice Under Section 4 ...	Nil	Nil	Nil	Nil	—
IX Legal Proceedings ...	Nil	Nil	Nil	Nil	—
X Number of "Block" control schemes carried out ...	2	9	3	14	—

Housing Acts, 1936-1954.

The following statement shows the Council's proposals under Section 1, Housing Repairs & Rents Act, 1954, which were submitted to the Minister on August 8th, 1955.

By the end of 1955 clearance area resolutions had been made in respect of five areas (Nos. 1, 2, 3, 4, 5) including a total of 54 houses and a Clearance Order had been made in respect of No. 1 area, consisting of 7 houses.

HOUSING ACT, 1936 : PARTS II AND III.

HOUSING REPAIRS AND RENTS ACT, 1954 : SECTION 1.

REQUIRED FORM OF PROPOSALS.

Local Authority—SHARDLOW RURAL DISTRICT COUNCIL.

County—DERBYSHIRE.

Total number of permanent dwellings in the local authority's	
area	24,975

Part 1—THE TOTAL PROBLEM.

- | | | |
|------|---|-----|
| (i) | Estimated number of houses unfit for human habitation within the meaning of section 9 of the Housing Repairs and Rents Act, 1954, and suitable for action under section 11 or section 25 of the Housing Act, 1936 | 801 |
| (ii) | Period in years which the Council think it necessary for securing demolition of all the houses in (i) | 10 |

Part 2—ORDERS ALREADY MADE, ETC.

- | | | |
|-------|---|-----|
| (iii) | Number of houses in (i) in clearance areas already covered by operative clearance or compulsory purchase orders or owned by the local authority | Nil |
| (iv) | Number of houses which are already in clearance areas and for which clearance or compulsory purchase orders have been submitted to the Minister but have not yet become operative | Nil |

Part 3—ACTION IN THE FIRST FIVE YEARS.

- | | | |
|--------|---|-----|
| (v) | Number of houses which are already in clearance areas and for which clearance or compulsory purchase orders are to be made or which are to be purchased by agreement within the five years | 11 |
| (vi) | Number of houses which are to be included in clearance areas still to be declared and which within the five years will be owned by the local authority or will have been included in a clearance order or a compulsory purchase order submitted to the Minister | 542 |
| (vii) | Number of houses under (iii), (iv), (v) and (vi) to be patched (if necessary) and retained within the five years under section 2 of the Housing Repairs and Rents Act, 1954, for temporary accommodation | 80 |
| (viii) | Number of houses under (iii), (iv), (v) and (vi) to be demolished in the five years | 473 |
| (ix) | Number of houses (including those already comprised in operative demolition orders) to be demolished in the five years as a result of action under section 11 of the Housing Act, 1936 | 124 |

FACTORIES ACT, 1937.

Annual Report of Medical Officer of Health in respect of the year, 1955.

PART 1 OF THE ACT.**1.—INSPECTIONS.**

Premises	Number on Register	Number of Inspections	Number of Written notices	Number of Occupiers prosecuted
(i) Factories in which Sections 1, 2, 3, 4 & 6 are to be enforced by Local Authorities.	177	80	3	—
(ii) Factories not includ- ed in (i) in which Sec- tion 7 is enforced by the Local Authority.				
(iii) Other Premises in which Section 7 is en- forced by the Local Authority (excluding out-workers' premises)	—	—	—	—
TOTAL ...	177	80	3	—

2.—CASES IN WHICH DEFECTS WERE FOUND.

Particulars.	Number of cases in which defects were found.				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			To H.M Inspector	By H.M. Inspector	
Want of cleanliness (S.1) Sanitary Conveniences (S.7)	—	—	—	—	—
(a) insufficient ...	—	—	—	—	—
(b) Unsuitable or defect.	5	5	—	—	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to Out- work).	—	—	—	—	—
TOTAL ...	5	5	—	—	—

PART VIII OF THE ACT.

OUTWORKERS.

During the year 193 visits have been made to 180 outworkers working at 184 trades and in each case the conditions were found to be satisfactory.

CLASSIFICATION OF WORK OR PROCESSES INCIDENTAL THERETO AS SPECIFIED BY THE SECRETARY OF STATE.

NO. ON LIST.	WORK.	NO. OF OUTWORKERS.
1	Making, cleaning, washing, altering, ornamenting, finishing and repairing of wearing apparel. ...	95
3	Making, ornamenting, mending and finishing of lace and of lace curtains and nets ...	29
5	Cabinet and furniture making and upholstery work	11
21	Making of boxes or other receptacles or parts thereof made wholly or partially of paper, cardboard, chip or similar materials ...	26
29	The making or filling of cosagues, Christmas crackers, Christmas stockings or similar articles or parts of articles. ...	12
30	The weaving of any textile fabric ...	11
		184

DETAILS OF WORK BEING DONE AT HOME INCIDENTAL TO THE MANUFACTURE OF THE ARTICLES STATED.

	NO. OF OUTWORKERS.
HOSIERY.	
Knitting machine operators ...	3
Linking ...	12
Mending ...	7
Seaming ...	6
Tread Winder ...	1
	29
KNITWEAR.	
Knitting machine operators ...	8
Hand seaming ...	7
Mending ...	1
Ending, buttoning & tabbing ...	37
	53
CHILDREN'S WEAR.	
Smocking on frock fronts ...	2
Crochetting baby shawls ...	1
Machining & making up ...	1
	4

				NO. OF OUTWORKERS.
UNDERWEAR.				
Machining and making up	...			2
DRESSMAKING.				
Machining and making up	...			1
TAILORING.				
Machining and making up	...			1
APRONS.				
Machining and finishing	...			2
BOOTS & SHOES.				
Machining	...	...	...	12
GLOVES.				
Hand seaming	...	...	...	1
BLANKETS.				
Finishing	...	...	...	1
LACE NET.				
Mending	...	...	...	29
CAR SEATS.				
Machining	...	...	...	11
CARDBOARD BOXES.				
Making up	...	...	...	1
CHRISTMAS CRACKERS.				
Making, decorating and finishing				12
FIREWORKS.				
Labelling	...	...	...	4
Case making	...	...	...	15
Clay banging	...	...	...	6
				— 25
Total ...				184

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

The incidence of notifiable diseases during 1955, was :—

	<i>Cases Notified.</i>	<i>Removed to Hospital.</i>	<i>Deaths.</i>
Tuberculosis—Pulmonary ...	46	27	10
Tuberculosis—Other forms ...	15	8	2
Smallpox	—	—	—
Scarlet Fever	52	14	—
Diphtheria	—	—	—
Typhoid and Paratyphoid Fever	—	—	—
Puerperal Pyrexia	2	—	—
Erysipelas	15	1	—
Ophthalmia Neonatorum ...	1	—	—
Pneumonia	32	1	22
Measles	1939	22	—
Whooping Cough	215	4	—
Cerebro Spinal Fever	1	1	—
Acute Polio- myelitis	19	19	—
Acute Encephalitis	1	1	—
Food Poisoning	4	1	—
Dysentery	15	4	—

SEC. 47. (Removal to Hospital etc.)

No cases were dealt with during the year, although a number of visits were made to Old Aged Pensioners who were encouraged to voluntarily enter a Hostel for Old People.

SEC. 50.

During 1955 one case was dealt with and concerned the burial of the body of a man recovered from the railway at Breadsall.

HOUSING WELFARE OFFICER.

This Authority was most fortunate in appointing Miss P. Brooks, S.R.N., S.C.M., H.V., as their Housing Welfare Officer. The appointment was made by the Housing Committee as her work deals directly with the tenants on the Council's housing estates. The total number of houses on the Authority's estates is recorded elsewhere.

Among her duties are the following : —

(a) To help and assist by practical instruction and advice families causing concern to this Authority because of their inability to cope with the ordinary day-to-day problems. These families may have been brought to notice because of the lack of care of house, property and garden, or differences with neighbours or neglected state of children ; poor rent records, or other family problems such as ill-health, etc.

(b) To watch over the interests and visit old people occupying Council houses.

(c) To investigate neighbours' disputes and quarrels and other troubles between tenants with a view to a satisfactory solution on the spot.

(d) To assist the Housing Maintenance Officer, in the work of the Housing Maintenance Dept.

(e) To visit and inspect houses which are the subject of a proposed exchange between tenants.

There is no doubt that this appointment has been greatly to the advantage of this Authority. Not only is it furthering the interests of families and children on the estates, but is also ensuring the proper upkeep and maintenance of property, premises and gardens.

STATISTICS RELATING TO THE SHARDLOW RURAL DISTRICT.

Parish	No. of houses in Parish 31/3/56.	Rateable Values as at 31/3/56.	Rateable Values as at 1/4/56.	Net sum represented by a Penny Rate 31/3/56 (£ only).
Alvaston & Boulton	3,958	70,664	117,372	277
Arleston & Sinfin	192	3,525	6,504	14
Aston-on-Trent	284	4,702	6,609	18
Barrow-on-Trent	121	1,501	2,074	5
Breadsall ...	886	17,235	28,076	56
Breaston ...	1,186	21,497	30,173	85
Chaddesden ...	3,826	66,838	116,917	254
Chellaston ...	937	17,197	26,222	67
Dale Abbey ...	200	2,926	4,435	9
Derby Hills ...	13	250	312	1
Draycott ...	702	13,035	19,453	51
Elvaston ...	107	1,650	2,600	6
Hopwell ...	9	1,066	2,458	4
Little Eaton ...	547	12,256	16,860	43
Littleover ...	3,241	76,398	122,714	303
Melbourne ...	1,234	22,913	33,175	88
Morley ...	118	4,110	5,952	16
Ockbrook ...	1,387	24,928	35,959	97
Risley ...	196	4,713	7,064	19
Sandiacre ...	2,140	33,204	52,620	127
Shardlow ...	250	4,913	8,860	19
Sinfin Moor ...	24	593	2,487	2
Spondon ...	3,095	52,429	81,985	198
Stanley ...	660	8,420	12,209	33
Stanton-by-Bridge	45	1,057	1,413	4
Stanton-by-Dale	176	8,744	35,994	35
Swarkestone ...	40	490	811	2
West Hallam ...	636	19,893	23,861	74
Weston-on-Trent	175	3,765	4,553	14
East Midlands Gas Board (whole district)			4,443	
Whole District ...	26,385	500,912	814,165	1923

This table shows the effect of the re-valuation which came into operation on April 1st, 1956.

STATISTICS RELATING TO THE SHARDLOW RURAL DISTRICT.

POPULATION.

Parish	Area in Acres.	Census 1921	Census 1931	Census 1951.	Est'd. Mid. 1955
Alvaston & Boulton	1,321	1,575	3,280	11,422	12,347
Arleston & Sinfin	810	45	45	689	689
Aston-on-Trent	1,898	493	648	796	798
Barrow-on-Trent	1,204	240	248	320	321
Breadsall ...	1,917	520	1,441	1,332	2,552
Breaston ...	1,990	1,356	2,024	3,376	3,386
Chaddesden ...	1,688	560	1,995	12,015	12,600
Chellaston ...	851	820	1,292	2,288	2,300
Dale Abbey ...	1,945	395	391	328	520
Derby Hills ...	323	42	52	40	40
Draycott ...	1,452	2,454	2,339	2,227	2,229
Elvaston ...	2,654	469	469	354	355
Hopwell ...	617	77	85	56	56
Little Eaton ...	1,098	1,179	1,261	1,724	1,726
Littleover ...	1,559	1,624	3,387	8,837	8,855
Melbourne ...	3,506	3,467	3,714	3,673	3,680
Morley ...	1,853	322	309	427	427
Ockbrook ...	1,945	2,969	2,971	3,456	3,764
Risley ...	1,152	281	369	609	610
Sandiacre ...	1,125	3,744	4,513	6,071	6,090
Shardlow ...	1,204	994	1,012	1,064	1,065
Sinfin Moor ...	1,063	59	61	80	80
Spondon ...	2,602	3,132	4,881	9,094	9,405
Stanley ...	1,206	1,401	1,352	1,923	1,928
Stanton-by-Bridge	1,433	116	140	136	137
Stanton-by-Dale	1,462	672	606	538	540
Swarkestone ...	996	155	138	132	132
West Hallam ...	1,360	980	1,172	1,971	1,973
Weston-on-Trent	1,970	394	387	915	915
Whole District ...	44,204	30,535	40,582	75,893	79,520*

*Registrar-General's estimate of total population of district mid-1955.

The population estimates for individual Parishes have been revised on the basis of the General Register Office County Report on the 1951 Census.

Table showing number of Houses and number of Population supplied from Public Water Mains at March 31st, 1956.

Table showing number of Houses and number of Population supplied from Public Water Mains at March 31st 1900.													
PARISH	Number of Houses in Parish.	Population of Parish	SUPPLYING AUTHORITY.	Total Supplied in Parish.		Details of Houses and Population Supplied.						Details of Houses and Population not supplied.	
						Shardlow R.D.C.		Derby Corporation.		Other Authorities.			
				Houses.	Population.	Houses.	Population.	Houses.	Population.	Houses.	Population.	Houses.	Population.
Alvaston & Boulton ...	3,958	12,347	Derby Corporation	3,938	12,277	—	—	3,938	12,277	—	—	20	70
Arleston & Sinfin ...	192	689	Derby Corporation by special agreement.	183	658	1	4	182	654	—	—	9	31
Aston-on-Trent ...	284	798	Shardlow R.D.C.	266	725	266	725	—	—	—	—	18	73
Barrow-on-Trent ...	121	321	Shardlow R.D.C.	113	293	113	293	—	—	—	—	8	28
Breadsall ...	886	2,552	Derby Corporation	877	2,520	11	38	850	2,426	16	56	9	32
Breaston ...	1,186	3,386	Shardlow R.D.C.	1,163	3,306	1,162	3,302	—	—	1	4	23	80
Chaddesden ...	3,826	12,600	Derby Corporation	3,788	12,467	—	—	3,786	12,460	2	7	38	133
Chellaston ...	937	2,300	Shardlow R.D.C.	928	2,268	922	2,247	6	21	—	—	9	32
Dale Abbey ...	200	520	Shardlow R.D.C.	200	520	196	506	—	—	4	14	—	—
Derby Hills ...	13	40	Shardlow R.D.C.	10	30	8	23	—	—	2	7	3	10
Draycott ...	702	2,229	Shardlow R.D.C.	681	2,156	681	2,156	—	—	—	—	21	73
Elvaston ...	107	355	Shardlow R.D.C.	107	355	107	355	—	—	—	—	—	—
Hopwell ...	9	56	Shardlow R.D.C.	9	56	8	52	—	—	1	4	—	—
Little Eaton ...	547	1,726	Derby Corporation	532	1,711	—	—	532	1,711	—	—	15	15
Littleover ...	3,241	8,855	Derby Corporation	3,223	8,792	—	—	3,223	8,792	—	—	18	63
Melbourne ...	1,234	3,680	Shardlow R.D.C.	1,218	3,624	1,207	3,586	—	—	11	38	16	56
Morley ...	118	427	Shardlow R.D.C.	118	427	112	406	—	—	6	21	—	—
Ockbrook ...	1,387	3,764	Shardlow R.D.C.	1,376	3,725	1,368	3,697	—	—	8	28	11	39
Risley ...	196	610	Shardlow R.D.C.	175	536	172	525	—	—	3	11	21	74
Sandiacre ...	2,140	6,090	Shardlow R.D.C.	2,127	6,045	2,127	6,045	—	—	—	—	13	45
Shardlow ...	250	1,065	Shardlow R.D.C.	237	1,019	237	1,019	—	—	—	—	13	46
Sinfin Moor ...	24	80	Derby Corporation by special agreement.	14	45	1	4	13	41	—	—	10	35
Spondon ...	3,095	9,405	Derby Corporation	3,070	9,318	—	—	3,059	9,280	11	38	25	87
Stanley ...	660	1,928	Shardlow R.D.C.	658	1,921	656	1,914	—	—	2	7	2	7
Stanton-by-Bridge ...	45	137	Shardlow R.D.C.	38	113	38	113	—	—	—	—	7	24
Stanton-by-Dale ...	176	540	Shardlow R.D.C.	176	540	150	449	—	—	26	91	—	—
Swarkestone ...	40	132	Shardlow R.D.C.	37	121	37	121	—	—	—	—	3	11
West Hallam ...	636	1,973	Shardlow R.D.C.	636	1973	636	1,973	—	—	—	—	—	—
Weston-on-Trent ...	175	915	Shardlow R.D.C.	169	904	169	904	—	—	—	—	6	11
Total ...	26,385	79,520		26,067	78,445	10,385	30,457	15,589	47,662	93	326	318	1,075

MAP OF THE SHARDLOW RURAL DISTRICT

DISTRICT



